REPORT

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703) 827-5260

# STATISTICS

No. 01-90 January 3, 1990

## U.S. FOREIGN TRADE -- OCTOBER 1989

### U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY
(Millions of U.S. Dollars)

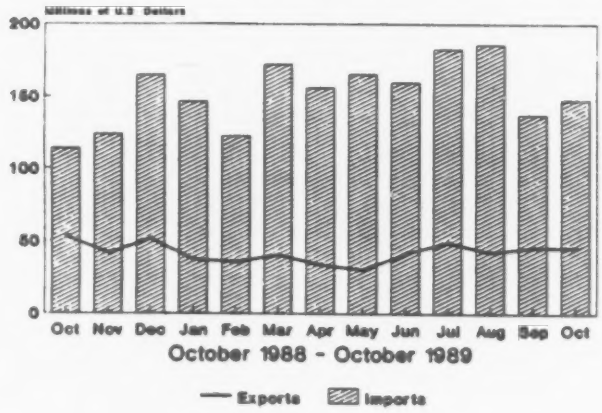
| | Oct. 1989 | Sept. 1989 | % Change Sept.-Oct. | Year to Date '89 | Year to Date '88 | % Change '88-'89 |
|---|---|---|---|---|---|---|
| **METAL CUTTING MACHINE TOOLS** | | | | | | |
| Imports | $147.5 | $137.2 | 7.5% | $1,574.5 | $1,255.2 | 25.4% |
| Exports | $ 46.0 | $ 46.1 | (0.2%) | $ 403.7 | $ 350.3 | 15.2% |
| Balance | ($101.5) | ($ 91.1) | 11.4% | ($1,170.8) | ($ 904.9) | 29.4% |
| **METAL FORMING MACHINE TOOLS** | | | | | | |
| Imports | $ 36.3 | $ 35.9 | 1.1% | $462.1 | $409.7 | 12.8% |
| Exports | $ 28.2 | $ 32.5 | (13.2%) | $383.3 | $261.1 | 46.8% |
| Balance | ($ 8.1) | ($ 3.4) | 138.2% | ($ 78.8) | ($148.6) | (47.0%) |
| **MACHINE TOOL TOTAL** | | | | | | |
| Imports | $183.8 | $173.1 | 6.2% | $2,036.6 | $1,664.9 | 22.3% |
| Exports | $ 74.2 | $ 78.6 | (5.6%) | $ 787.0 | $ 611.4 | 28.7% |
| Balance | ($109.6) | ($ 94.4) | 16.1% | ($1,249.6) | ($1,053.5) | 18.6% |
| **NUMERICALLY CONTROLLED MACHINE TOOLS** | | | | | | |
| Imports | $104.8 | $101.6 | 3.1% | $1,094.3 | NA | NA |
| Exports | $ 26.8 | $ 26.5 | 1.1% | $ 209.9 | NA | NA |
| Balance | ($ 78.0) | ($ 75.1) | 3.9% | ($ 884.4) | NA | NA |
| **OTHER MANUFACTURING TECHNOLOGY** | | | | | | |
| Imports | $111.5 | $80.5 | 38.5% | $1,184.0 | NA | NA |
| Exports | $101.1 | $91.0 | 11.1% | $ 997.9 | NA | NA |
| Balance | ($ 10.4) | $10.5 | NM | ($ 186.1) | NA | NA |

Note: Numerically controlled machine tools includes both metal cutting and metal forming machines, and is included in the respective totals. NA = not available; NM = not meaningful; ( ) denotes negative; individual items may not add up to totals due to rounding.

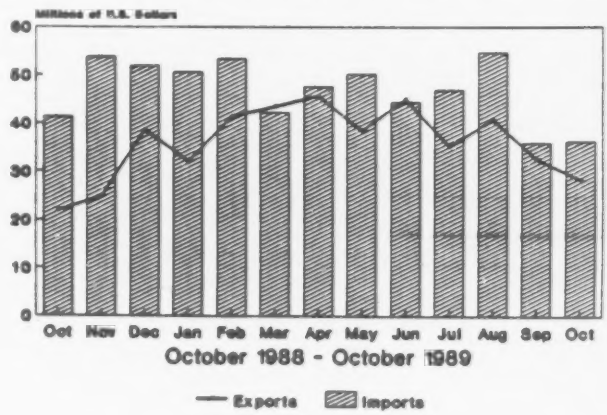
During October 1989, exports of machine tools fell 6% compared with September to $74.2 million; imports of machine tools rose 6% to $183.8 million. Although October 1989 was the fourth consecutive month in which U.S. machine tool exports fell, year-to-date export totals are 29% higher compared with 1988. Year-to-date machine tool imports are 22% higher this year than last, though October's imports were the third lowest in 1989. Both exports and imports of NC machines rose slightly, to $26.8 million and $104.8 million respectively. The overall machine tool trade deficit in October was $109.6 million, up 16% from September.

## U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING




METAL FORMING



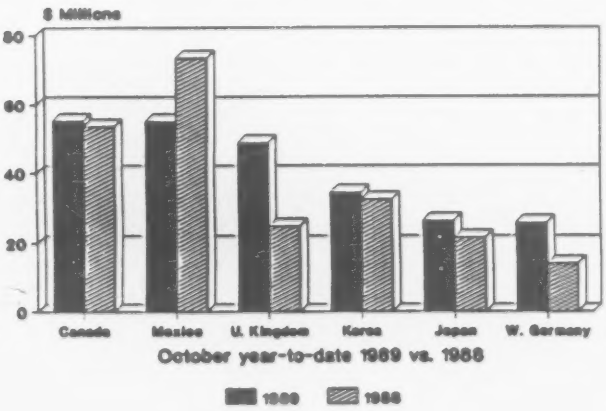

## METAL CUTTING

Exports

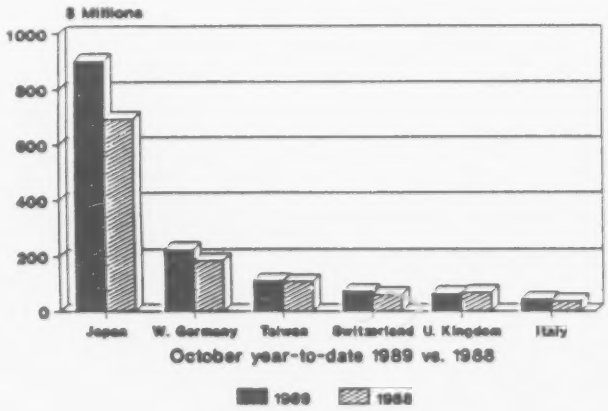
Exports of metal cutting machine tools fell slightly in October compared with September to $46.0 million. Exports of drilling machines rose 54% to $2.6 million; exports of grinding machines rose 14% to $12.0 million; and exports of milling machines more than doubled to $3.2 million. The United Kingdom was the top metal cutting export market in October at $11.8 million (the highest monthly metal cutting export total to one country since October 1988), for a year-to-date total of $48.8 million. The U.K. total in October included two multi-station transfer machines worth $5.0 million. Exports of two gear grinding machines worth $2.5 million went to the Soviet Union. Canada and Mexico are essentially tied as the top year-to-date export market for U.S. metal cutting machines, at $55.2 million and $55.0 million, respectively.

## METAL CUTTING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS




LEADING U.S. IMPORT SOURCES



Imports

U.S. metal cutting machine tool imports in October rose 8% compared with September to $147.5 million, despite a 10% drop in imports from Japan: imports of West German machines rose 34% to $24.5 million while imports of Taiwanese machines rose 61% to $17.0 million. Imports of machining centers rose 19% to $41.2 million; imports of non-NC lathes rose 83% to $8.4 million; and imports of milling machines rose 62% to $11.2 million. Year-to-date 1989 imports of cutting machines from most major sources are up significantly compared with 1988, with especially large increases from France ($18.9 million so far in 1989, up 117% over 1988); Korea ($21.7 million, 102%) and Singapore ($14.3 million, 62%).

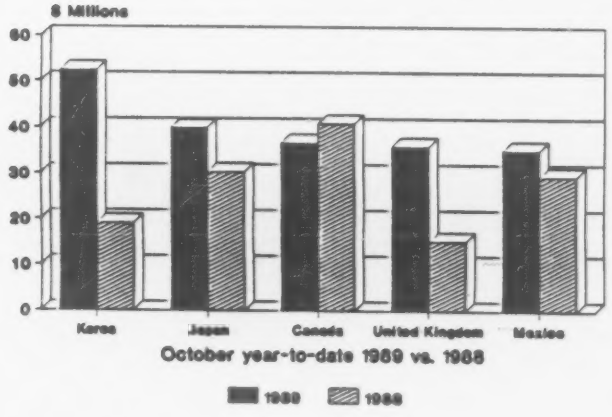
## METAL FORMING

Exports

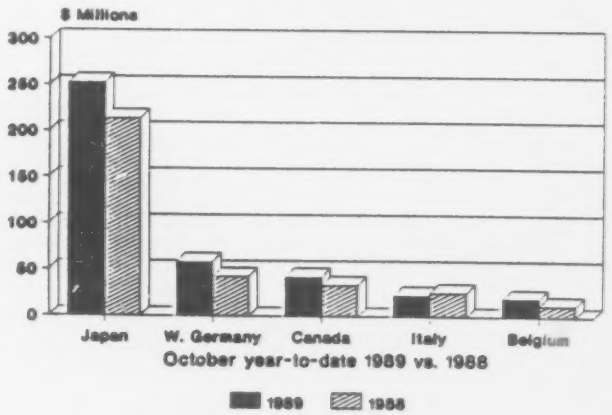
U.S. exports of metal forming machine tools fell 13% from September to October, a second consecutive monthly decline. Nevertheless, year-to-date exports of metal forming machines are 47% higher than last year. The largest export market in October was Canada at $3.3 million, down 28% from September, followed by Japan and Mexico at $2.9 million. Exports to Korea plummeted 71% to $1.8 million. Exports of presses in October totalled $8.5 million, the highest monthly total so far in 1989. Exports of "other metal forming" machines, however, dropped to $6.8 million, their lowest level of the year.

### METAL FORMING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS




LEADING U.S. IMPORT SOURCES




Imports

Imports of metal forming machine tools rose marginally in October compared with September to $36.3 million. Imports from Japan fell 30% to $12.4 million, while imports from West Germany rose 19% to $6.2 million. Imports of forging machines rose 67% to $6.1 million in October from September; imports of "other metal forming" machines fell 44% to $7.8 million. Year-to-date metal forming imports of $462.1 million are 13% higher this year than last -- imports from Canada, Japan, Taiwan, Belgium and West Germany are ahead of last year's pace, while imports from Italy, Switzerland, Sweden and Brazil are behind last year's pace.

## OTHER MANUFACTURING TECHNOLOGY

### Exports

U.S. exports of other manufacturing technology rose 11% to $101.1 million from September to October. Exports of machine tool parts and accessories rose 9% to $63.1 million; exports of laser, light or photon beams for working any material rose 141% to $5.0 million; exports of injection molding machinery rose 27% to $4.9 million; and exports of industrial process control instruments rose 17% to $5.1 million (the highest monthly total of 1989). Canada is the year-to-date leader in U.S. exports of other manufacturing technology through October at $160.9 million, followed by the United Kingdom ($110.7 million), Japan ($105.1 million), Mexico ($86.6 million), West Germany ($85.2 million), and Korea ($67.1 million). In 1989 through October U.S. exports of other manufacturing technology to 22 countries exceeded $10 million.

### Imports

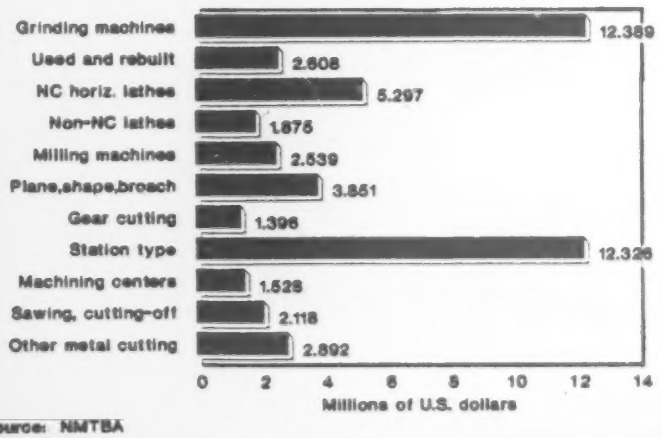
U.S. imports of other manufacturing technology jumped 39% in October over September to $111.5 million, the first time imports exceeded exports in this category since July. Large gains were recorded in imports of machine tool parts and accessories (up 35% to $49.1 million), injection molding machinery (up 63% to $24.7 million), industrial robots and parts (up 85% to $22.7 million) and numerical controls for controlling machine tools (up 70% to $5.4 million). Imports of other manufacturing technology from Japan increased 52% in October compared with September to $53.4 million, including more than a seven-fold increase in industrial robot parts to $8.2 million.

## MONTHLY FOCUS

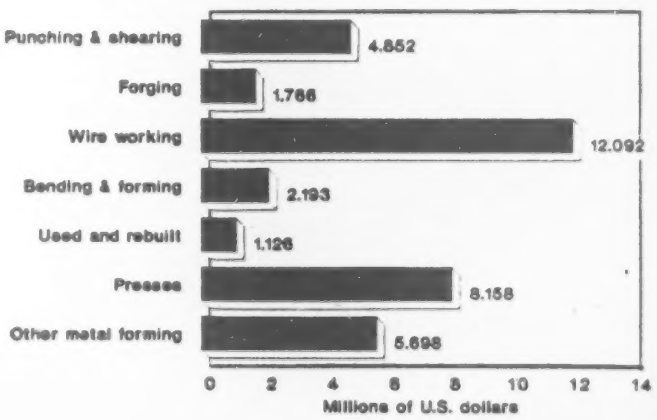
### U.S. Machine Tool Exports to the United Kingdom

U.S. machine tool exports to the United Kingdom in 1989 through October totalled $84.7 million – a record for U.S. exports to the U.K., with two months still unrecorded. The United Kingdom is the fourth largest export market for U.S. machine tools so far in 1989. The U.S has also exported $110.7 million in other manufacturing technology to the United Kingdom so far in 1989, making the United Kingdom the second largest export market in that category. Of the U.K. machine tool total, 58% ($48.8 million) is metal cutting and 42% ($35.9 million) is metal forming machines.

U.S. Metal Cutting Exports to the U.K.
January - October 1989




U.S. Metal Forming Exports to the U.K.
January - October 1989




Source: NMTBA

# 1989 EXPORTS

## METAL CUTTING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Canada | $6,674,738 | $9,277,733 | -28.06% | $55,151,307 | $53,556,000 | 2.98% |
| Mexico | 5,615,160 | 6,022,780 | -6.77 | 55,026,254 | 73,462,000 | -25.10 |
| U.K. | 11,780,815 | 2,108,825 | 458.64 | 48,819,004 | 24,848,000 | 96.47 |
| Korea | 1,355,174 | 5,223,822 | -74.06 | 34,558,262 | 32,486,000 | 6.38 |
| Japan | 2,049,195 | 3,235,005 | -36.66 | 26,400,307 | 21,454,000 | 23.06 |
| West Germany | 2,557,946 | 1,508,365 | 69.58 | 25,765,205 | 13,956,000 | 84.62 |
| China | 1,689,308 | 3,456,775 | -51.13 | 23,950,949 | 19,430,000 | 23.27 |
| Italy | 909,624 | 805,071 | 12.99 | 11,768,594 | 9,942,000 | 18.37 |
| India | 2,190,504 | 412,697 | 430.78 | 10,629,190 | 6,057,000 | 75.49 |
| France | 557,296 | 459,126 | 21.38 | 10,537,720 | 7,308,000 | 44.19 |
| Brazil | 1,518,383 | 972,740 | 56.09 | 9,132,011 | 5,527,000 | 65.23 |
| USSR | 2,496,395 | 5,259,085 | -52.53 | 8,975,415 | 1,155,000 | 677.09 |
| Australia | 446,408 | 761,450 | -41.37 | 8,[illegible]32,504 | 3,080,000 | 180.28 |
| Taiwan | 553,057 | 1,516,547 | -63.53 | 7,[illegible]9,779 | 10,359,000 | -25.48 |
| Singapore | 830,367 | 442,947 | 87.46 | 7,[illegible],146 | 5,549,000 | 29.41 |
| Belgium | 700,918 | 362,106 | 93.57 | 6,[illegible],180 | 4,800,000 | 31.02 |
| Venezuela | 295,655 | 437,784 | -32.47 | [illegible],868 | 12,136,000 | -55.43 |
| Indonesia | 33,555 | 322,198 | -89.59 | 4,[illegible]29,863 | 337,000 | 1,125.48 |
| Netherlands | 35,814 | 98,240 | -63.54 | 3,559,887 | 2,520,000 | 41.27 |
| Switzerland | 328,849 | 256,043 | 28.44 | 3,339,228 | 2,269,000 | 47.17 |
| Spain | 190,163 | 34,000 | 459.30 | 2,997,275 | 1,813,000 | 65.32 |
| Thailand | 267,230 | 0 | NA | 2,143,259 | 754,000 | 184.25 |
| Austria | 266,000 | 4,259 | 6,145.60 | 1,253,499 | 804,000 | 55.91 |
| Malaysia | 63,445 | 202,860 | -68.72 | 990,120 | 441,000 | 124.52 |

## METAL FORMING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Korea | $1,836,259 | $6,311,788 | -70.91% | $52,353,396 | $19,078,000 | 174.42% |
| Japan | 2,936,546 | 1,521,113 | 93.05 | 39,831,966 | 30,165,000 | 32.05 |
| Canada | 3,332,428 | 4,629,917 | -28.02 | 36,559,038 | 40,877,000 | -10.56 |
| U.K. | 862,609 | 941,620 | -8.39 | 35,884,018 | 15,146,000 | 136.92 |
| Mexico | 2,925,881 | 2,392,609 | 22.29 | 35,067,784 | 29,375,000 | 19.38 |
| West Germany | 2,184,358 | 2,728,028 | -19.93 | 22,196,408 | 20,014,000 | 10.90 |
| Taiwan | 2,239,126 | 3,184,842 | -29.69 | 17,293,017 | 9,096,000 | 90.12 |
| China | 1,177,784 | 892,412 | 31.98 | 10,092,651 | 7,429,000 | 35.85 |
| India | 1,036,757 | 995,571 | 4.14 | 8,596,867 | 2,073,000 | 314.71 |
| Venezuela | 148,930 | 200,199 | -25.61 | 7,834,948 | 8,136,000 | -3.70 |
| France | 1,615,068 | 491,221 | 228.79 | 7,447,424 | 7,932,000 | -6.11 |
| Italy | 510,807 | 324,232 | 57.54 | 7,218,406 | 6,540,000 | 10.37 |
| Singapore | 417,831 | 35,215 | 1,086.51 | 7,062,393 | 1,705,000 | 314.22 |
| Brazil | 728,734 | 475,631 | 53.21 | 6,537,473 | 9,439,000 | -30.74 |
| Australia | 820,393 | 433,577 | 89.22 | 6,290,285 | 7,116,000 | -11.60 |
| Netherlands | 500,142 | 98,332 | 408.63 | 6,249,903 | 3,225,000 | 93.80 |
| Spain | 74,950 | 442,689 | -83.07 | 3,768,141 | 5,036,000 | -25.18 |
| Thailand | 136,124 | 85,505 | 59.20 | 3,456,071 | 3,103,000 | 11.38 |
| Belgium | 3,673 | 73,665 | -95.01 | 2,389,073 | 1,212,000 | 97.12 |
| Malaysia | 119,061 | 38,131 | 212.24 | 1,497,528 | 2,853,000 | -47.51 |
| Switzerland | 122,766 | 33,981 | 261.28 | 1,336,853 | 1,540,000 | -13.19 |
| USSR | 0 | 868,799 | -100.00 | 976,510 | 52,000 | 1,777.90 |
| Austria | 19,480 | 0 | NA | 681,490 | 401,000 | 69.95 |
| Indonesia | 15,009 | 0 | NA | 167,461 | 491,000 | -65.89 |

## TOTAL METAL CUTTING AND METAL FORMING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Canada | $10,007,166 | $13,907,650 | -28.05% | $91,710,345 | $ 94,433,000 | -2.88% |
| Mexico | 8,541,041 | 8,415,389 | 1.49 | 90,094,038 | 102,837,000 | -12.39 |
| Korea | 3,191,433 | 11,535,610 | -72.33 | 86,911,658 | 51,564,000 | 68.55 |
| U.K. | 12,643,424 | 3,050,445 | 314.48 | 84,703,022 | 39,994,000 | 111.79 |
| Japan | 4,985,741 | 4,756,118 | 4.83 | 66,232,273 | 51,619,000 | 28.31 |
| West Germany | 4,742,304 | 4,23[illegible]93 | 11.94 | 47,961,613 | 33,970,000 | 41.19 |
| China | 2,867,092 | 4,34[illegible].87 | -34.08 | 34,043,600 | 26,859,000 | 26.75 |
| Taiwan | 2,792,183 | 4,701,389 | -40.61 | 25,012,796 | 19,455,000 | 28.57 |
| India | 3,227,261 | 1,408,268 | 129.17 | 19,226,057 | 8,130,000 | 136.48 |
| Italy | 1,420,431 | 1,129,303 | 25.78 | 18,987,000 | 16,482,000 | 15.20 |
| France | 2,172,364 | 950,347 | 128.59 | 17,985,144 | 15,240,000 | 18.01 |
| Brazil | 2,247,117 | 1,448,371 | 55.15 | 15,669,484 | 14,966,000 | 4.70 |
| Australia | 1,266,801 | 1,195,027 | 6.01 | 14,922,789 | 10,196,000 | 46.36 |
| Singapore | 1,248,198 | 478,162 | 161.04 | 14,243,539 | 7,254,000 | 96.35 |
| Venezuela | 444,585 | 637,983 | -30.31 | 13,243,816 | 20,272,000 | -34.67 |
| USSR | 2,496,395 | 6,127,884 | -59.26 | 9,951,925 | 1,207,000 | 724.52 |
| Netherlands | 535,956 | 196,572 | 172.65 | 9,809,790 | 5,745,000 | 70.75 |
| Belgium | 704,591 | 435,771 | 61.69 | 8,678,253 | 6,012,000 | 44.35 |
| Spain | 265,113 | 476,689 | -44.38 | 6,765,416 | 6,849,000 | -1.22 |
| Thailand | 403,354 | 85,505 | 371.73 | 5,599,330 | 3,857,000 | 45.17 |
| Switzerland | 451,615 | 290,024 | 55.72 | 4,676,081 | 3,809,000 | 22.76 |
| Indonesia | 48,564 | 322,198 | -84.93 | 4,297,324 | 828,000 | 419.00 |
| Malaysia | 182,506 | 240,991 | -24.27 | 2,487,648 | 3,294,000 | -24.48 |
| Austria | 285,480 | 4,259 | 6,602.98 | 1,934,989 | 1,205,000 | 60.58 |

# 1989 IMPORTS

## METAL CUTTING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $71,760,071 | $79,599,610 | -9.85% | $901,849,661 | $691,539,000 | 30.41% |
| West Germany | 24,514,486 | 18,355,502 | 33.55 | 224,625,602 | 184,385,000 | 21.82 |
| Taiwan | 16,993,821 | 10,586,832 | 60.52 | 111,458,031 | 107,870,000 | 3.33 |
| Switzerland | 8,425,949 | 6,368,836 | 32.30 | 71,965,311 | 59,470,000 | 21.01 |
| U.K. | 8,013,836 | 7,152,726 | 12.04 | 63,337,947 | 67,335,000 | -5.94 |
| Italy | 2,545,888 | 2,935,664 | -13.28 | 43,181,219 | 35,742,000 | 20.81 |
| Korea | 2,747,897 | 2,069,550 | 32.78 | 21,669,137 | 10,733,000 | 101.89 |
| France | 924,962 | 452,148 | 104.57 | 18,891,931 | 8,698,000 | 117.20 |
| Canada | 1,425,421 | 2,013,657 | -29.21 | 17,110,238 | 15,773,000 | 8.48 |
| Spain | 934,209 | 959,022 | -2.59 | 15,697,302 | 15,459,000 | 1.54 |
| Singapore | 2,404,109 | 1,519,273 | 58.24 | 14,290,650 | 8,839,000 | 61.68 |
| Sweden | 1,084,484 | 2,107,118 | -48.53 | 10,879,218 | 7,752,000 | 40.34 |
| Brazil | 805,326 | 941,028 | -14.42 | 5,915,178 | 4,988,000 | 18.59 |
| Belgium | 11,474 | 2,372 | 383.73 | 4,512,154 | 1,675,000 | 169.38 |

## METAL FORMING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $12,435,306 | $17,729,357 | -29.86% | $252,667,813 | $213,418,000 | 18.39% |
| West Germany | 6,151,745 | 5,165,547 | 19.09 | 58,239,351 | 42,493,000 | 37.06 |
| Canada | 3,205,269 | 3,988,541 | -19.64 | 42,114,629 | 33,393,000 | 26.12 |
| Italy | 3,252,233 | 2,365,328 | 37.50 | 22,750,665 | 25,804,000 | -11.83 |
| Belgium | 2,680,711 | 1,109,552 | 141.60 | 19,526,102 | 12,158,000 | 60.60 |
| Switzerland | 2,340,800 | 1,220,948 | 91.72 | 14,226,925 | 16,119,000 | -11.74 |
| U.K. | 1,926,210 | 861,213 | 123.66 | 12,496,062 | 13,390,000 | -6.68 |
| Taiwan | 641,636 | 801,398 | -19.94 | 7,345,382 | 5,731,000 | 28.17 |
| Sweden | 434,874 | 627,947 | -30.75 | 7,019,016 | 9,722,000 | -27.80 |
| Brazil | 0 | 9,261 | -100.00 | 4,517,850 | 17,177,000 | -73.70 |
| Spain | 371,856 | 106,478 | 249.23 | 2,415,601 | 2,772,000 | -12.86 |
| France | 171,561 | 139,928 | 22.61 | 1,481,934 | 4,098,000 | -63.84 |
| Singapore | 91,272 | 2,600 | 3,410.46 | 819,834 | 1,353,000 | -39.41 |
| Korea | 34,000 | 120,291 | -71.74 | 328,799 | 283,000 | 16.18 |

## TOTAL METAL CUTTING AND METAL FORMING

| COUNTRY | OCTOBER | SEPTEMBER | % CHANGE | OCT YTD '89 | OCT YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $84,195,377 | $97,328,967 | -13.49% | $1,154,517,474 | $904,957,000 | 27.58% |
| West Germany | 30,666,231 | 23,521,049 | 30.38 | 282,864,953 | 226,878,000 | 24.68 |
| Taiwan | 17,635,457 | 11,388,230 | 54.86 | 118,803,413 | 113,601,000 | 4.58 |
| Switzerland | 10,766,749 | 7,589,784 | 41.86 | 86,192,236 | 75,589,000 | 14.03 |
| U.K. | 9,940,046 | 8,013,939 | 24.03 | 75,834,009 | 80,725,000 | -6.06 |
| Italy | 5,798,121 | 5,300,992 | 9.38 | 65,931,884 | 61,546,000 | 7.13 |
| Canada | 4,630,690 | 6,002,198 | -22.85 | 59,224,867 | 49,166,000 | 20.46 |
| Belgium | 2,692,185 | 1,111,924 | 142.12 | 24,038,256 | 13,833,000 | 73.77 |
| Korea | 2,781,897 | 2,189,841 | 27.04 | 21,997,936 | 11,016,000 | 99.69 |
| France | 1,096,523 | 592,076 | 85.20 | 20,373,865 | 12,796,000 | 59.22 |
| Spain | 1,306,065 | 1,065,500 | 22.58 | 18,112,903 | 18,231,000 | -0.65 |
| Sweden | 1,519,358 | 2,735,065 | -44.45 | 17,898,234 | 17,474,000 | 2.43 |
| Singapore | 2,495,381 | 1,521,873 | 63.97 | 15,110,484 | 10,192,000 | 48.26 |
| Brazil | 805,326 | 950,289 | -15.25 | 10,433,028 | 22,165,000 | -52.93 |

U.S. IMPORTS
Metal Cutting Machine Tools - October 89

RELEASED: January 3, 1990

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8456301010 | Traveling wire electro-discharge machines, NC | 593 | 49369 | 45 | 3751 |
| 301030 | Traveling wire electro-discharge machines, non-NC | 231 | 15400 | 19 | 1036 |
| 301050 | Electro-discharge machines, n.e.c., NC | 142 | 8050 | 7 | 862 |
| 301070 | Electro-discharge machines, n.e.c., non-NC | 305 | 10965 | 39 | 980 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26") | 2015 | 163811 | 243 | 19701 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 189 | 26800 | 22 | 4586 |
| 100035 | Horiz. mach. ctrs., ATC | 711 | 116213 | 114 | 12684 |
| 100045 | Mach. ctrs., n.e.c. | 250 | 38122 | 12 | 4274 |
| 200010 | Unit construction mach. (single station transfer), NC | 19 | 3356 | 0 | 0 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 15 | 777 | 0 | 0 |
| 300010 | Multi-station transfer machines, NC | 26 | 19994 | 1 | 71 |
| 300090 | Multi-station transfer machines, non-NC | 101 | 26861 | 4 | 1903 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 301 | 45676 | 35 | 4265 |
| 110030 | Horiz. lathes, power rating under 18.65 kW (25 HP), NC | 2642 | 196780 | 239 | 18859 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC | 540 | 70103 | 53 | 6021 |
| 110090 | Horiz. lathes, power rating over 37.3 kW (50 HP), NC | 77 | 11729 | 10 | 1697 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 2496 | 24046 | 289 | 2895 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 409 | 11265 | 85 | 702 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 87 | 5363 | 11 | 1423 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 828 | 11126 | 88 | 1080 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 23 | 8404 | 1 | 189 |
| 911080 | Vertical turret lathes, n.e.c., NC | 40 | 5185 | 2 | 499 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 2 | 682 | 0 | 0 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 62 | 5903 | 4 | 311 |
| 991050 | Vertical turret lathes, non-NC | 57 | 3127 | 1 | 10 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 670 | 18523 | 85 | 2279 |
| 8459100000 | Way-type unit head machines | 11 | 827 | 3 | 286 |
| 210080 | Other drilling machines, NC | 492 | 33325 | 131 | 3088 |
| 290040 | Drilling machines, multiple spindle, non-NC | 107 | 5614 | 19 | 70 |
| 290050 | Drilling machines, radial, non-NC | 379 | 2334 | 15 | 98 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 187 | 1468 | 2 | 16 |
| 290090 | Drilling machines, n.e.c., non-NC | 422 | 23610 | 6 | 89 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 15 | 3639 | 4 | 665 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 140 | 14332 | 9 | 2212 |
| 310070 | Boring-milling mach., n.e.c., NC | 54 | 3127 | 4 | 252 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 36 | 1473 | 5 | 442 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 156 | 5505 | 7 | 265 |
| 400040 | Boring machines, vertical, NC | 15 | 6228 | 0 | 0 |
| 400050 | Boring machines, vertical, non-NC | 55 | 696 | 16 | 171 |
| 400070 | Boring machines, n.e.c., NC | 10 | 2459 | 0 | 0 |
| 400080 | Boring machines, n.e.c., non-NC | 212 | 12890 | 4 | 81 |
| 510080 | Milling machines, knee type, NC | 993 | 13913 | 31 | 374 |
| 590030 | Milling machines, knee type, non-NC | 2977 | 26633 | 396 | 2499 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 432 | 38888 | 91 | 4876 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 81 | 741 | 28 | 130 |
| 690070 | Milling machines, bed type, non-NC | 90 | 2609 | 8 | 136 |
| 690090 | Milling machines, n.e.c., non-NC | 516 | 16068 | 58 | 3217 |
| 700020 | Threading or tapping machines, n.e.c., NC | 239 | 12724 | 17 | 877 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 256 | 8391 | 29 | 237 |
| 8460110080 | Flat surface grinding mach., NC | 139 | 10446 | 4 | 130 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 920 | 10561 | 88 | 1361 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 1507 | 16779 | 153 | 1271 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 470 | 79652 | 47 | 4853 |
| 290010 | Grinding mach., external cylindrical, (incl. univ.), non-NC | 324 | 12242 | 23 | 1380 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 130 | 11839 | 9 | 1309 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 1056 | 40165 | 64 | 3679 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 309 | 3579 | 54 | 528 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 568 | 7766 | 64 | 974 |
| 400060 | Honing or lapping machines, NC | 32 | 6223 | 1 | 23 |
| 400080 | Honing or lapping machines, non-NC | 155 | 5206 | 31 | 1079 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 46 | 4436 | 2 | 58 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 1097 | 29057 | 98 | 2457 |
| 8461100060 | Planing machines, NC | 0 | 0 | 0 | 0 |
| 100080 | Planing machines, non-NC | 6 | 109 | 2 | 24 |
| 200010 | Shaping or slotting machines, NC | 31 | 2381 | 0 | 0 |
| 200090 | Shaping or slotting machines, non-NC | 46 | 2462 | 1 | 185 |
| 300060 | Broaching machines, NC | 12 | 4425 | 2 | 2108 |
| 300080 | Broaching machines, non-NC | 43 | 4021 | 0 | 0 |
| 401050 | Gear hobbers | 90 | 15470 | 5 | 683 |
| 401070 | Gear shapers | 11 | 1648 | 1 | 347 |
| 401090 | Gear cutting machines, n.e.c. | 348 | 957 | 67 | 8 |
| 405060 | Gear grinding or finishing machines | 156 | 16487 | 1 | 68 |
| 500050 | Sawing or cutting-off machines, NC | 124 | 2918 | 23 | 396 |
| 500090 | Sawing or cutting-off machines, non-NC | 1547 | 20942 | 148 | 2276 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 564 | 13507 | 41 | 808 |
| 9800000001 | Used or rebuilt machine tools | 6105 | 34684 | 676 | 1665 |
| 9900000001 | Machine tools valued at less than $2,500 | 596203 | 81391 | 92409 | 9706 |
| | Cutting Total | | | 96306 | 147537 |
| | Y-T-D Cutting Total | 632745 | 1574479 | | |
| | NC Y-T-D Cutting Total | 11232 | 1015324 | | |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - October 89

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 0 | 0 | 3 | 25 | 1 | 1 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 59 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 1 | 182 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 1 | 150 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 280 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 22 | 212 | 2 | 10 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 52 | 270 | 1 | 316 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 17 | 90 | 2 | 10 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 100 | 377 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 31 |
| 290050 | 0 | 0 | 6 | 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 46 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 171 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 2 | 35 | 0 | 0 | 1 | 9 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 79 |
| 190050 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 1 | 2 |
| 290010 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 408 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 5 | 14 | 0 | 0 | 1 | 10 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 0 | 0 | 2 | 31 | 0 | 0 | 12 | 829 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 131 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 |
| 500090 | 0 | 0 | 0 | 0 | 15 | 276 | 2 | 92 | 31 | 316 |
| 9000000001 | 0 | 0 | 0 | 0 | 1 | 6 | 15 | 448 | 1 | 5 |
| 9800000001 | 1 | 7 | 0 | 0 | 98 | 77 | 2 | 13 | 3 | 28 |
| 9900000001 | 2 | 5 | 1 | 2 | 123 | 57 | 41 | 25 | 2379 | 470 |
| Month Tot | 3 | 11 | 102 | 805 | 361 | 1425 | 66 | 925 | 2467 | 2546 |
| Y-T-D Tot | 329 | 4512 | 859 | 5915 | 3207 | 17110 | 1378 | 18892 | 28804 | 43181 |
| NC YTD Tot | 11 | 383 | 36 | 924 | 120 | 3799 | 48 | 2542 | 130 | 12671 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - October 89

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 41 | 3297 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 4 | 248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 7 | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 1 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 148 | 12994 | 1 | 71 | 21 | 1222 | 0 | 0 | 0 | 0 |
| 100025 | 18 | 4209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 89 | 10364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 1 | 564 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 231 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 19 | 2326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 196 | 15744 | 3 | 161 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 43 | 5268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 3 | 680 | 2 | 204 | 0 | 0 | 0 | 0 | 1 | 271 |
| 190030 | 3 | 97 | 18 | 169 | 27 | 300 | 0 | 0 | 0 | 0 |
| 190050 | 1 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 1 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911060 | 1 | 189 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 2 | 499 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 4 | 311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 2 | 21 | 25 | 1589 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 2 | 186 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 28 | 1500 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 2 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 1 | 310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 1 | 224 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 3 | 192 | 2 | 16 | 0 | 0 | 124 | 934 | 2 | 49 |
| 610080 | 3 | 571 | 0 | 0 | 4 | 145 | 0 | 0 | 0 | 0 |
| 690050 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 8 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 17 | 877 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 23 | 131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 18 | 143 | 0 | 0 | 51 | 737 | 0 | 0 | 0 | 0 |
| 190050 | 7 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 18 | 2474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 1 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 265 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 19 | 2313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 9 | 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 3 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900060 | 1 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 35 | 1059 | 17 | 106 | 0 | 0 | 0 | 0 | 1 | 8 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 1 | 185 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 1 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 18 | 292 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 23 | 740 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25 |
| 9000000001 | 9 | 237 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| 9800000001 | 17 | 726 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| 9900000001 | 6833 | 972 | 240 | 241 | 0 | 0 | 0 | 0 | 226 | 184 |
| Month Tot | 7685 | 71760 | 311 | 2748 | 103 | 2404 | 124 | 934 | 243 | 1084 |
| Y-T-D Tot | 55525 | 901850 | 5422 | 21669 | 721 | 14291 | 1719 | 15697 | 2312 | 10879 |
| NC YTD Tot | 7176 | 759557 | 137 | 8460 | 157 | 7782 | 501 | 5095 | 10 | 2031 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - October 89

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 4 | 454 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 7 | 721 | 8 | 67 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 9 | 406 | 18 | 264 | 0 | 0 | 2 | 81 | 5 | 82 |
| 8457100015 | 0 | 0 | 18 | 1544 | 31 | 1709 | 7 | 1388 | 16 | 715 |
| 100025 | 0 | 0 | 4 | 377 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 1 | 102 | 1 | 132 | 23 | 2086 | 0 | 0 |
| 100045 | 0 | 0 | 2 | 111 | 0 | 0 | 7 | 3355 | 1 | 13 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 71 |
| 300090 | 1 | 143 | 0 | 0 | 0 | 0 | 3 | 1760 | 0 | 0 |
| 8458110010 | 0 | 0 | 2 | 110 | 0 | 0 | 13 | 1647 | 0 | 0 |
| 110030 | 5 | 443 | 31 | 1613 | 2 | 684 | 0 | 0 | 1 | 64 |
| 110050 | 0 | 0 | 4 | 231 | 2 | 242 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 542 | 0 | 0 |
| 190030 | 0 | 0 | 159 | 1274 | 13 | 107 | 0 | 0 | 45 | 725 |
| 190050 | 0 | 0 | 84 | 673 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 9 | 1410 | 2 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 12 | 180 | 2 | 13 | 20 | 151 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| 995090 | 0 | 0 | 0 | 0 | 8 | 223 | 0 | 0 | 31 | 346 |
| 8459100000 | 0 | 0 | 0 | 0 | 1 | 100 | 0 | 0 | 0 | 0 |
| 210080 | 2 | 1207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 10 | 39 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 8 | 37 | 1 | 5 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 3 | 47 | 0 | 0 | 1 | 13 |
| 310010 | 0 | 0 | 2 | 44 | 1 | 311 | 0 | 0 | 0 | 0 |
| 310040 | 2 | 931 | 0 | 0 | 2 | 588 | 2 | 398 | 3 | 295 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 243 | 1 | 10 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 218 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 136 | 1 | 83 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 38 |
| 510080 | 0 | 0 | 28 | 255 | 2 | 71 | 0 | 0 | 1 | 48 |
| 590030 | 0 | 0 | 174 | 861 | 40 | 159 | 1 | 21 | 50 | 267 |
| 610080 | 0 | 0 | 46 | 896 | 0 | 0 | 6 | 3108 | 32 | 156 |
| 690050 | 0 | 0 | 24 | 110 | 0 | 0 | 3 | 13 | 0 | 0 |
| 690070 | 0 | 0 | 8 | 136 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 20 | 112 | 1 | 9 | 2 | 2955 | 26 | 84 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 1 | 29 | 0 | 0 | 3 | 24 | 1 | 46 | 0 | 0 |
| 8460110080 | 0 | 0 | 1 | 35 | 3 | 95 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 7 | 39 | 0 | 0 | 2 | 337 | 3 | 25 |
| 190050 | 2 | 71 | 129 | 786 | 8 | 215 | 0 | 0 | 6 | 114 |
| 210080 | 6 | 620 | 2 | 120 | 0 | 0 | 19 | 1628 | 0 | 0 |
| 290010 | 9 | 763 | 0 | 0 | 4 | 158 | 2 | 55 | 1 | 35 |
| 290030 | 6 | 524 | 0 | 0 | 0 | 0 | 3 | 785 | 0 | 0 |
| 290050 | 5 | 401 | 4 | 93 | 7 | 178 | 25 | 206 | 2 | 79 |
| 310080 | 4 | 26 | 43 | 289 | 4 | 9 | 2 | 123 | 1 | 82 |
| 390050 | 6 | 207 | 3 | 30 | 16 | 144 | 21 | 392 | 3 | 24 |
| 400060 | 1 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 13 | 63 | 12 | 804 | 3 | 28 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 0 | 0 | 10 | 30 | 8 | 217 | 13 | 177 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 1 | 1977 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 510 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 347 | 0 | 0 |
| 401090 | 62 | 6 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 68 |
| 500050 | 0 | 0 | 0 | 0 | 2 | 12 | 1 | 80 | 0 | 0 |
| 500090 | 3 | 26 | 23 | 114 | 0 | 0 | 24 | 623 | 23 | 63 |
| 9000000001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 90 |
| 9800000001 | 0 | 0 | 472 | 165 | 63 | 363 | 6 | 115 | 11 | 168 |
| 9900000001 | 20 | 15 | 60853 | 6455 | 366 | 174 | 704 | 281 | 20621 | 824 |
| Month Tot | 164 | 8426 | 62190 | 16994 | 626 | 8014 | 922 | 24514 | 20939 | 4945 |
| Y-T-D Tot | 1509 | 71965 | 404629 | 111458 | 6441 | 63338 | 9755 | 224626 | 110135 | 49095 |
| NC YTD Tot | 190 | 26956 | 1005 | 25394 | 600 | 29626 | 768 | 119890 | 343 | 10214 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 89

RELEASED: January 3, 1990

| Metal Forming Machine Tools | | TOTAL YTD UNITS | TOTAL YTD $000 | TOTAL MO. UNITS | TOTAL MO. $000 |
|---|---|---|---|---|---|
| 8454300010 | Die casting machines | 3870 | 36481 | 1134 | 1918 |
| 8462100030 | Headers and upsetters, including cold headers | 127 | 10647 | 51 | 2921 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 1282 | 62473 | 169 | 3160 |
| 210080 | Bending, folding, straight. or flat. mach., incl presses, NC | 871 | 29633 | 39 | 2085 |
| 290030 | Press brakes, non-NC | 310 | 8392 | 27 | 869 |
| 290040 | Bending rolls, non-NC | 72 | 1901 | 6 | 192 |
| 290050 | Bending, folding, straight., or flat., n.e.c., non-NC | 930 | 37330 | 96 | 3524 |
| 310080 | Shearing machines, NC | 45 | 5229 | 5 | 203 |
| 390050 | Shearing machines, non-NC | 647 | 12734 | 82 | 1520 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 313 | 34373 | 21 | 2904 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 518 | 11642 | 70 | 943 |
| 910060 | Hydraulic presses, NC | 30 | 3589 | 2 | 192 |
| 910090 | Hydraulic presses, non-NC | 480 | 21340 | 86 | 849 |
| 990030 | Presses, n.e.c., NC | 91 | 6117 | 51 | 1172 |
| 990040 | Presses, mechanical, non-NC | 66 | 23337 | 0 | 0 |
| 990060 | Presses, n.e.c., non-NC | 933 | 74661 | 66 | 5154 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 39 | 5009 | 2 | 48 |
| 200080 | Thread rolling machines | 53 | 2815 | 11 | 406 |
| 300080 | Machines for working wire | 589 | 28166 | 75 | 2492 |
| 900080 | Metal forming machine tools, n.e.c. | 689 | 25500 | 100 | 2980 |
| 9800000002 | Used or rebuilt machine tools | 851 | 14861 | 150 | 2196 |
| 9900000002 | Machine tools valued at less than $2,500 | 19554 | 5902 | 2287 | 573 |
| | Forming Total | | | 4530 | 36302 |
| | Y-T-D Forming Total | 32360 | 462134 | | |
| | NC Y-T-D Forming Total | 1350 | 78941 | | |
| | Cutting and Forming Totals: | | | | |
| | Monthly Total | | | 100836 | 183839 |
| | Y-T-D Total | 665105 | 2036613 | | |
| | NC Y-T-D Total | 12582 | 1094266 | | |

| Other Manufacturing Technology | | TOTAL YTD UNITS | TOTAL YTD $000 | TOTAL MO. UNITS | TOTAL MO. $000 |
|---|---|---|---|---|---|
| 1000000000 | Machine tool parts and accessories | 0 | 504799 | 0 | 49138 |
| 2710003070 | Quenching or cutting oils | 0 | 72 | 0 | 7 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 1667 | 36620 | 151 | 3210 |
| 8456101010 | Laser, light or photon beam for working metal, NC | 97 | 13382 | 17 | 2338 |
| 101020 | Laser, light or photon beam for working metal, non-NC | 38 | 3545 | 4 | 593 |
| 105000 | Laser, light or photon beam for other materials | 1761 | 4490 | 604 | 371 |
| 201010 | Ultrasonic processes for working metal, NC | 6 | 952 | 0 | 0 |
| 201050 | Ultrasonic processes for working metal, non-NC | 12 | 29 | 0 | 0 |
| 205000 | Ultrasonic processes for working other materials | 139 | 633 | 5 | 182 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 821 | 75875 | 86 | 6727 |
| 106050 | Injection molding mach., for thermoplastics | 2227 | 219388 | 238 | 18005 |
| 200010 | Extruders for rubber or other thermosetting materials | 177 | 19105 | 14 | 679 |
| 200050 | Extruders for processing thermoplastics | 598 | 33910 | 47 | 2296 |
| 300000 | Blow molding machines | 240 | 36133 | 13 | 848 |
| 400000 | Vacuum-molding and other thermoforming machines | 251 | 14690 | 28 | 234 |
| 8479899040 | Industrial robots, n.e.c. | 21811 | 110782 | 8352 | 7882 |
| 908040 | Industrial robot parts | 0 | 38033 | 0 | 11598 |
| 8537100030 | Numerical controls for controlling machine tools | 11325 | 42931 | 1670 | 5385 |
| 9024100000 | Machines and appliances for testing metals | 0 | 11335 | 0 | 565 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 8175 | 0 | 554 |
| 300000 | Profile projectors | 0 | 4221 | 0 | 403 |
| 9032810020 | Industrial process control instr., hydraulic | 168667 | 2316 | 9942 | 143 |
| 810060 | Industrial process control instr., pneumatic | 98723 | 2581 | 10945 | 304 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 89

Metal Forming

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 7 | 354 | 0 | 0 | 40 | 304 |
| 8462100030 | 4 | 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 0 | 0 | 42 | 354 | 0 | 0 | 3 | 11 |
| 210080 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 0 | 1 | 446 |
| 290030 | 7 | 322 | 0 | 0 | 13 | 376 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 2 | 103 | 0 | 0 | 39 | 451 | 0 | 0 | 7 | 267 |
| 310080 | 2 | 63 | 0 | 0 | 1 | 60 | 0 | 0 | 0 | 0 |
| 390050 | 7 | 107 | 0 | 0 | 12 | 138 | 3 | 8 | 6 | 768 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 582 |
| 490050 | 0 | 0 | 0 | 0 | 1 | 83 | 0 | 0 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 0 | 0 | 6 | 536 | 0 | 0 | 0 | 0 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 332 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 1 | 8 | 0 | 0 | 20 | 495 | 0 | 0 | 3 | 64 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 45 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 397 |
| 900080 | 0 | 0 | 0 | 0 | 2 | 99 | 0 | 0 | 7 | 68 |
| 9800000002 | 5 | 68 | 0 | 0 | 30 | 219 | 3 | 118 | 0 | 0 |
| 9900000002 | 1 | 1 | 0 | 0 | 38 | 25 | 0 | 0 | 16 | 13 |
| | | | | | | | | | | |
| Month Tot | 29 | 2681 | 0 | 0 | 212 | 3205 | 7 | 172 | 138 | 3252 |
| Y-T-D Tot | 460 | 19526 | 250 | 4518 | 3984 | 42115 | 123 | 1482 | 1036 | 22751 |
| NC YTD Tot | 42 | 1544 | 0 | 0 | 20 | 1056 | 10 | 235 | 60 | 2282 |
| | | | | | | | | | | |
| C&F Month | 32 | 2692 | 102 | 805 | 573 | 4631 | 73 | 1097 | 2605 | 5798 |
| C&F Y-T-D | 789 | 24038 | 1109 | 10433 | 7191 | 59225 | 1501 | 20374 | 29840 | 65932 |
| C&F NC YTD | 53 | 1928 | 36 | 924 | 140 | 4855 | 58 | 2777 | 190 | 14953 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 88 | 0 | 108 | 0 | 3602 | 0 | 811 | 0 | 2051 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8428900010 | 0 | 0 | 0 | 0 | 4 | 61 | 0 | 0 | 0 | 0 |
| 8456101010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101020 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 |
| 105000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 5 | 269 | 5 | 772 | 0 | 0 |
| 106050 | 0 | 0 | 0 | 0 | 33 | 3763 | 0 | 0 | 13 | 974 |
| 200010 | 0 | 0 | 0 | 0 | 3 | 26 | 3 | 164 | 1 | 32 |
| 200050 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 111 |
| 400000 | 0 | 0 | 0 | 0 | 2 | 111 | 0 | 0 | 0 | 0 |
| 8479899040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| 908040 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | 15 | 0 | 98 |
| 8537100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9024100000 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 4 | 0 | 0 |
| 9031100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 9032810020 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 60 | 0 | 0 |
| 810060 | 0 | 0 | 0 | 0 | 2614 | 134 | 1090 | 11 | 1554 | 11 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 31 | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 43 | 902 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 37 | 1614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 28 | 1488 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 6 | 166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 1 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 19 |
| 290050 | 14 | 2097 | 2 | 16 | 0 | 0 | 0 | 0 | 13 | 200 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 4 | 105 | 2 | 18 | 8 | 91 | 0 | 0 | 3 | 26 |
| 410080 | 6 | 602 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 9 | 137 | 0 | 0 | 0 | 0 | 34 | 348 | 4 | 150 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 4 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990030 | 2 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 12 | 2396 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 6 | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 45 | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 42 | 1410 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| 9800000002 | 1 | 270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9900000002 | 53 | 58 | 0 | 0 | 0 | 0 | 41 | 24 | 87 | 34 |
| Month Tot | 344 | 12435 | 4 | 34 | 8 | 91 | 75 | 372 | 111 | 435 |
| Y-T-D Tot | 4657 | 252668 | 70 | 329 | 62 | 820 | 555 | 2416 | 377 | 7019 |
| NC YTD Tot | 838 | 44008 | 0 | 0 | 0 | 0 | 1 | 50 | 6 | 492 |
| C&F Month | 8029 | 84195 | 315 | 2782 | 111 | 2495 | 199 | 1306 | 354 | 1519 |
| C&F Y-T-D | 60182 | 1154517 | 5492 | 21998 | 783 | 15110 | 2274 | 18113 | 2689 | 17898 |
| C&F NC YTD | 8014 | 803565 | 137 | 8460 | 157 | 7782 | 502 | 5145 | 16 | 2523 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 16322 | 0 | 239 | 0 | 709 | 0 | 97 | 0 | 720 |
| 2710003070 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8428900010 | 81 | 792 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 711 |
| 8456101010 | 10 | 2084 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101020 | 0 | 0 | 0 | 0 | 1 | 180 | 0 | 0 | 0 | 0 |
| 105000 | 330 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| 8477106010 | 50 | 4181 | 2 | 273 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 69 | 8442 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 2 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 2 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 735 | 0 | 0 |
| 400000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8479899040 | 8314 | 6804 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 407 |
| 908040 | 0 | 8248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 8537100030 | 1666 | 5354 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9024100000 | 0 | 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9031100000 | 0 | 432 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 300000 | 0 | 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9032810020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380 | 79 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 1 | 316 | 1 | 22 | 0 | 0 | 15 | 295 | 1039 | 467 |
| 8462100030 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 2 | 9 | 13 | 115 | 4 | 725 | 68 | 330 |
| 210080 | 0 | 0 | 0 | 0 | 3 | 11 | 4 | 70 | 2 | 53 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 26 |
| 290050 | 1 | 100 | 1 | 18 | 1 | 27 | 3 | 75 | 13 | 170 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 80 | 0 | 0 |
| 390050 | 0 | 0 | 5 | 16 | 21 | 125 | 7 | 68 | 4 | 48 |
| 410080 | 3 | 652 | 0 | 0 | 0 | 0 | 10 | 1068 | 0 | 0 |
| 490050 | 1 | 6 | 9 | 24 | 4 | 59 | 8 | 136 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 192 | 0 | 0 |
| 910090 | 0 | 0 | 71 | 101 | 2 | 65 | 3 | 57 | 0 | 0 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 769 | 1 | 4 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 1 | 479 | 1 | 22 | 0 | 0 | 14 | 1284 | 14 | 407 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| 200080 | 0 | 0 | 1 | 4 | 0 | 0 | 4 | 192 | 0 | 0 |
| 300080 | 1 | 306 | 3 | 51 | 3 | 504 | 15 | 708 | 1 | 11 |
| 900080 | 3 | 405 | 1 | 47 | 6 | 42 | 10 | 104 | 28 | 801 |
| 9800000002 | 58 | 61 | 12 | 55 | 11 | 972 | 4 | 311 | 26 | 123 |
| 9900000002 | 199 | 17 | 1535 | 262 | 204 | 6 | 23 | 14 | 90 | 119 |
| | | | | | | | | | | |
| Month Tot | 268 | 2341 | 1646 | 642 | 268 | 1926 | 131 | 6152 | 1289 | 2565 |
| Y-T-D Tot | 1621 | 14227 | 8729 | 7345 | 950 | 12496 | 1428 | 58239 | 8058 | 16184 |
| NC YTD Tot | 31 | 4632 | 23 | 565 | 9 | 482 | 227 | 18315 | 83 | 5280 |
| | | | | | | | | | | |
| C&F Month | 432 | 10767 | 63836 | 17635 | 894 | 9940 | 1053 | 30666 | 22228 | 7509 |
| C&F Y-T-D | 3130 | 86192 | 413358 | 118803 | 7391 | 75834 | 11183 | 282865 | 118193 | 65280 |
| C&F NC YTD | 221 | 31587 | 1028 | 25959 | 609 | 30108 | 995 | 138205 | 426 | 15494 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 3257 | 0 | 3299 | 0 | 3477 | 0 | 12075 | 0 | 2283 |
| 2710003070 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 8428900010 | 1 | 171 | 0 | 0 | 16 | 888 | 29 | 395 | 2 | 192 |
| 8456101010 | 0 | 0 | 0 | 0 | 5 | 71 | 0 | 0 | 2 | 182 |
| 101020 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 408 | 0 | 0 |
| 105000 | 0 | 0 | 0 | 0 | 0 | 0 | 261 | 8 | 13 | 327 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 2 | 80 | 0 | 0 | 1 | 100 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 2 | 117 | 2 | 21 | 17 | 856 | 3 | 238 |
| 106050 | 4 | 1015 | 16 | 738 | 5 | 178 | 82 | 2181 | 16 | 715 |
| 200010 | 1 | 144 | 0 | 0 | 0 | 0 | 4 | 266 | 0 | 0 |
| 200050 | 0 | 0 | 1 | 5 | 10 | 312 | 32 | 1670 | 1 | 11 |
| 300000 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400000 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 122 | 0 | 0 |
| 8479899040 | 0 | 0 | 0 | 0 | 13 | 65 | 5 | 111 | 7 | 473 |
| 908040 | 0 | 276 | 0 | 0 | 0 | 264 | 0 | 1329 | 0 | 1220 |
| 8537100030 | 3 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 9024100000 | 0 | 7 | 0 | 0 | 0 | 114 | 0 | 44 | 0 | 135 |
| 9031100000 | 0 | 16 | 0 | 0 | 0 | 2 | 0 | 33 | 0 | 53 |
| 300000 | 0 | 67 | 0 | 0 | 0 | 107 | 0 | 35 | 0 | 33 |
| 9032810020 | 126 | 6 | 0 | 0 | 0 | 0 | 1 | 4 | 9805 | 74 |
| 810060 | 28 | 1 | 5259 | 53 | 7 | 6 | 13 | 9 | 0 | 0 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Austria | 185 | 618 | 34 | 914 | 219 | 1532 |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 |
| Czechoslovakia | 6 | 161 | 0 | 0 | 6 | 161 |
| Denmark | 29 | 109 | 2 | 114 | 31 | 223 |
| East Germany | 150 | 196 | 0 | 0 | 150 | 196 |
| Finland | 0 | 0 | 28 | 402 | 28 | 402 |
| Hungary | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 0 |
| Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 32 | 249 | 17 | 151 | 49 | 401 |
| Norway | 0 | 0 | 3 | 161 | 3 | 161 |
| Poland | 23 | 583 | 0 | 0 | 23 | 583 |
| Portugal | 0 | 0 | 3 | 46 | 3 | 46 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| USSR | 0 | 0 | 0 | 0 | 0 | 0 |
| Yugoslavia | 38 | 407 | 0 | 0 | 38 | 407 |
| Oth Europe | 14 | 474 | 61 | 119 | 75 | 594 |
| TOTAL | 5092 | 49254 | 1175 | 19237 | 6267 | 68491 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Barbados | 0 | 0 | 0 | 0 | 0 | 0 |
| Dominican Rep | 0 | 0 | 1 | 4 | 1 | 4 |
| Mexico | 0 | 0 | 78 | 206 | 78 | 206 |
| Oth N & C Am. | 10 | 5 | 10 | 44 | 20 | 49 |
| TOTAL | 371 | 1430 | 301 | 3459 | 672 | 4890 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 7 | 34 | 0 | 0 | 7 | 34 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 |
| Paraguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 1 | 8 | 0 | 0 | 1 | 8 |
| Oth South Am. | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 110 | 847 | 0 | 0 | 110 | 847 |
| **OCEANIA** | | | | | | |
| Australia | 22 | 187 | 10 | 34 | 32 | 221 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Oceania | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 22 | 187 | 10 | 34 | 32 | 221 |

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| ASIA | | | | | | |
| China | 20393 | 1291 | 4 | 89 | 20397 | 1380 |
| Hong Kong | 7 | 157 | 8 | 70 | 15 | 227 |
| India | 17 | 198 | 4 | 4 | 21 | 202 |
| Indonesia | 1 | 3 | 0 | 0 | 1 | 3 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 4 | 262 | 1026 | 207 | 1030 | 470 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 0 | 0 | 0 | 0 | 0 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Asia | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 90711 | 95818 | 3044 | 13572 | 93755 | 109390 |
| AFRICA | | | | | | |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| Swaziland | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 900000000l, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - October 89

RELEASED: January 3, 1990

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8456300000 | Electro-discharge machines | 329 | 4334 | 11 | 797 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26") | 23 | 3633 | 1 | 164 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 8 | 1256 | 3 | 302 |
| 100035 | Horiz. mach. ctrs., ATC | 41 | 16580 | 1 | 209 |
| 100045 | Mach. ctrs., n.e.c. | 235 | 15391 | 43 | 1904 |
| 200010 | Unit construction mach. (single station transfer), NC | 3 | 2683 | 0 | 0 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 7 | 4268 | 0 | 0 |
| 300010 | Multi-station transfer machines, NC | 7 | 10287 | 2 | 5009 |
| 300090 | Multi-station transfer machines, non-NC | 16 | 3400 | 0 | 0 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 3 | 534 | 0 | 0 |
| 110030 | Horiz. lathes, power rating under 18.65 kW (25 HP), NC | 158 | 13128 | 25 | 2093 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC | 43 | 7952 | 4 | 978 |
| 110090 | Horiz. lathes, power rating over 37.3 kW (50 HP), NC | 8 | 1767 | 0 | 0 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 83 | 1923 | 8 | 140 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 18 | 89 | 2 | 30 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 39 | 2762 | 4 | 216 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 207 | 2843 | 20 | 396 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 0 | 0 | 0 | 0 |
| 911080 | Vertical turret lathes, n.e.c., NC | 5 | 863 | 0 | 0 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 2 | 539 | 1 | 266 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 10 | 993 | 1 | 95 |
| 991050 | Vertical turret lathes, non-NC | 20 | 650 | 0 | 0 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 59 | 3112 | 5 | 179 |
| 8459100000 | Way-type unit head machines | 17 | 3318 | 4 | 503 |
| 210080 | Other drilling machines, NC | 95 | 7168 | 15 | 1067 |
| 290040 | Drilling machines, multiple spindle, non-NC | 19 | 1120 | 0 | 0 |
| 290050 | Drilling machines, radial, non-NC | 25 | 963 | 1 | 41 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 68 | 953 | 0 | 0 |
| 290090 | Drilling machines, n.e.c., non-NC | 420 | 5384 | 322 | 1454 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 5 | 1799 | 0 | 0 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 3 | 642 | 1 | 84 |
| 310070 | Boring-milling mach., n.e.c., NC | 29 | 2330 | 1 | 170 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 1 | 30 | 0 | 0 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 100 | 2012 | 0 | 0 |
| 400040 | Boring machines, vertical, NC | 4 | 1294 | 0 | 0 |
| 400050 | Boring machines, vertical, non-NC | 32 | 1039 | 2 | 21 |
| 400070 | Boring machines, n.e.c., NC | 1 | 1350 | 0 | 0 |
| 400080 | Boring machines, n.e.c., non-NC | 40 | 2519 | 0 | 0 |
| 510080 | Milling machines, knee type, NC | 25 | 1699 | 1 | 99 |
| 590030 | Milling machines, knee type, non-NC | 45 | 2098 | 7 | 217 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 47 | 7638 | 5 | 2509 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 21 | 1095 | 0 | 0 |
| 690070 | Milling machines, bed type, non-NC | 55 | 7023 | 0 | 0 |
| 690090 | Milling machines, n.e.c., non-NC | 295 | 6521 | 29 | 391 |
| 700020 | Threading or tapping machines, n.e.c., NC | 29 | 1211 | 4 | 80 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 251 | 6217 | 30 | 379 |
| 8460110080 | Flat surface grinding mach., NC | 129 | 10132 | 19 | 1329 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 125 | 1678 | 55 | 661 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 96 | 8550 | 2 | 165 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 312 | 23904 | 8 | 1250 |
| 290010 | Grinding mach., external cylindrical, (incl. univ.), non-NC | 40 | 4556 | 2 | 271 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 53 | 4479 | 12 | 628 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 428 | 19576 | 34 | 1646 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 39 | 4669 | 5 | 806 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 920 | 9369 | 130 | 1877 |
| 400060 | Honing or lapping machines, NC | 2 | 58 | 0 | 0 |
| 400080 | Honing or lapping machines, non-NC | 661 | 8215 | 107 | 1197 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 32 | 3573 | 5 | 878 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 496 | 11659 | 86 | 1313 |
| 8461100060 | Planing machines, NC | 6 | 3712 | 0 | 0 |
| 100080 | Planing machines, non-NC | 150 | 5468 | 19 | 619 |
| 200010 | Shaping or slotting machines, NC | 0 | 0 | 0 | 0 |
| 200090 | Shaping or slotting machines, non-NC | 39 | 1168 | 1 | 32 |
| 300060 | Broaching machines, NC | 3 | 352 | 2 | 104 |
| 300080 | Broaching machines, non-NC | 50 | 2302 | 3 | 183 |
| 401050 | Gear hobbers | 33 | 4727 | 0 | 0 |
| 401070 | Gear shapers | 64 | 5453 | 6 | 1230 |
| 401090 | Gear cutting machines, n.e.c. | 63 | 14616 | 7 | 1354 |
| 405060 | Gear grinding or finishing machines | 48 | 8563 | 3 | 2538 |
| 500050 | Sawing or cutting-off machines, NC | 32 | 1747 | 2 | 64 |
| 500090 | Sawing or cutting-off machines, non-NC | 875 | 11780 | 101 | 1279 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 276 | 11499 | 72 | 1448 |
| 9800000001 | Used or rebuilt machine tools | 5346 | 44907 | 342 | 4164 |
| 9900000001 | Machine tools valued at less than $2,500 | 35752 | 12556 | 3958 | 1140 |
| | Cutting Total | | | 5534 | 45967 |
| | Y-T-D Cutting Total | 49021 | 403680 | | |
| | NC Y-T-D Cutting Total* | 1407 | 154611 | | |

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 89

| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 367 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 87 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 5 | 558 | 0 | 0 | 3 | 125 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 73 | 1 | 21 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 216 | 1 | 210 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 67 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 41 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 1018 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 99 | 0 | 0 |
| 590030 | 2 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 100 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| 700080 | 0 | 0 | 0 | 0 | 1 | 109 | 0 | 0 | 15 | 42 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 766 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 500 | 2 | 21 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 107 | 0 | 0 |
| 210080 | 0 | 0 | 1 | 266 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 244 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 754 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 78 | 18 | 156 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 6 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 604 |
| 900080 | 6 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 126 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 392 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 42 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 64 |
| 500090 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 143 | 36 | 436 |
| 9000000001 | 0 | 0 | 0 | 0 | 8 | 23 | 21 | 248 | 7 | 365 |
| 9800000001 | 19 | 303 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 189 |
| 9900000001 | 5 | 3 | 0 | 0 | 0 | 0 | 92 | 55 | 2325 | 265 |
| Month Tot | 39 | 446 | 1 | 266 | 15 | 701 | 179 | 1518 | 2695 | 6675 |
| Y-T-D Tot | 747 | 8633 | 58 | 1253 | 183 | 6289 | 520 | 9132 | 22300 | 55151 |
| NC YTD Tot* | 13 | 1264 | 5 | 646 | 36 | 4036 | 44 | 3526 | 192 | 20429 |

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 89

| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 1 | 61 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 3 | 316 | 1 | 145 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 1 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 1 | 185 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 1 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 2 | 25 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 1 | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 1 | 124 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 1 | 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 2 | 60 | 0 | 0 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 74 | 786 | 0 | 0 | 0 | 0 | 2 | 30 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 1 | 13 | 0 | 0 | 1 | 4 | 1 | 35 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 1 | 1126 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 1 | 625 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 |
| 9000000001 | 1 | 8 | 0 | 0 | 1 | 25 | 0 | 0 | 11 | 256 |
| 9800000001 | 3 | 90 | 0 | 0 | 16 | 247 | 0 | 0 | 28 | 541 |
| 9900000001 | 0 | 0 | 186 | 19 | 14 | 13 | 0 | 0 | 304 | 78 |
| Month Tot | 84 | 1689 | 197 | 557 | 39 | 2191 | 3 | 34 | 344 | 910 |
| Y-T-D Tot | 556 | 23951 | 820 | 10538 | 226 | 10629 | 101 | 4130 | 787 | 11769 |
| NC YTD Tot* | 98 | 14696 | 50 | 6970 | 6 | 1719 | 6 | 1968 | 18 | 1421 |

Please see notes on last page of the metal forming section.

# U.S. EXPORTS
## Metal Cutting Machine Tools - October 89

| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 1 | 152 | 1 | 34 | 0 | 0 | 1 | 61 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 108 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 1 | 38 | 25 | 597 | 0 | 0 | 4 | 267 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 3 | 277 | 0 | 0 | 0 | 0 | 1 | 90 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 2 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 2 | 6 | 0 | 0 | 0 | 0 | 8 | 200 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 1 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 503 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 554 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 2 | 10 | 9 | 41 | 0 | 0 | 9 | 44 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 84 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 392 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 7 | 163 | 0 | 0 | 20 | 177 | 1 | 22 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 44 | 0 | 0 |
| 700080 | 1 | 110 | 0 | 0 | 0 | 0 | 7 | 96 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 41 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 4 | 289 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 |
| 290050 | 8 | 291 | 0 | 0 | 0 | 0 | 3 | 103 | 0 | 0 |
| 310080 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 3 | 54 | 9 | 55 | 3 | 19 | 2 | 8 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 10 | 102 | 1 | 266 | 0 | 0 | 8 | 51 | 0 | 0 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 135 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 3 | 183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 104 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 447 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 3 | 16 | 2 | 28 | 0 | 0 | 24 | 396 | 0 | 0 |
| 9000000001 | 1 | 110 | 0 | 0 | 0 | 0 | 10 | 79 | 1 | 7 |
| 9800000001 | 2 | 38 | 1 | 171 | 18 | 44 | 144 | 1377 | 3 | 7 |
| 9900000001 | 171 | 113 | 0 | 0 | 0 | 0 | 238 | 143 | 0 | 0 |
| Month Tot | 219 | 2049 | 55 | 1355 | 21 | 63 | 530 | 5615 | 5 | 36 |
| Y-T-D Tot | 2891 | 26400 | 1545 | 34558 | 101 | 990 | 6252 | 55026 | 411 | 3560 |
| NC YTD Tot* | 132 | 8708 | 137 | 13472 | 3 | 135 | 161 | 12093 | 19 | 1900 |

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 89

| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 88 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 2 | 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 70 |
| 190090 | 0 | 0 | 0 | 0 | 3 | 22 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 2 | 164 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 67 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 43 | 1 | 138 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 35 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 58 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 3 | 130 | 0 | 0 | 0 | 0 |
| 290050 | 7 | 250 | 0 | 0 | 0 | 0 | 1 | 191 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 1 | 16 | 7 | 97 | 5 | 53 | 2 | 17 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 2 | 19 | 2 | 11 | 6 | 66 | 5 | 38 | 4 | 34 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 2 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 2 | 21 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 0 |
| 9000000001 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 30 | 0 | 0 |
| 9800000001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| 9900000001 | 25 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Month Tot | 107 | 830 | 5 | 190 | 20 | 329 | 20 | 553 | 10 | 267 |
| Y-T-D Tot | 768 | 7181 | 225 | 2997 | 255 | 3339 | 506 | 7720 | 94 | 2143 |
| NC YTD Tot* | 34 | 2396 | 3 | 841 | 16 | 1614 | 35 | 2605 | 19 | 793 |

Please see notes on last page of the metal forming section.

# U.S. EXPORTS
## Metal Cutting Machine Tools - October 89

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 34 |
| 8457100015 | 1 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 107 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 209 |
| 100045 | 3 | 198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 2 | 5009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 13 | 1004 | 0 | 0 | 0 | 0 | 1 | 56 | 1 | 52 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 376 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 0 | 0 |
| 190050 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 1 | 123 | 0 | 0 | 0 | 0 | 1 | 9 | 1 | 5 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 1 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 3 | 133 | 0 | 0 | 1 | 31 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 349 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 170 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 1 | 54 | 0 | 0 | 0 | 0 | 1 | 32 | 2 | 54 |
| 610080 | 1 | 1831 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 22 |
| 8460110080 | 1 | 35 | 0 | 0 | 3 | 100 | 0 | 0 | 4 | 107 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 39 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 2 | 496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 0 |
| 290030 | 6 | 431 | 0 | 0 | 0 | 0 | 2 | 53 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 646 | 1 | 41 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 53 | 1263 | 0 | 0 | 0 | 0 | 20 | 135 | 8 | 47 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 107 | 2 | 40 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 274 |
| 900080 | 9 | 183 | 0 | 0 | 3 | 30 | 5 | 55 | 16 | 258 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 3 | 42 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 282 | 0 | 0 |
| 405060 | 0 | 0 | 2 | 2496 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 13 | 84 | 0 | 0 | 0 | 0 | 1 | 20 | 10 | 109 |
| 9000000001 | 1 | 160 | 0 | 0 | 0 | 0 | 2 | 22 | 6 | 114 |
| 9800000001 | 8 | 320 | 0 | 0 | 4 | 30 | 12 | 254 | 65 | 547 |
| 9900000001 | 106 | 126 | 0 | 0 | 2 | 3 | 105 | 83 | 385 | 223 |
| Month Tot | 225 | 11781 | 2 | 2496 | 15 | 296 | 179 | 2558 | 525 | 2561 |
| Y-T-D Tot | 2389 | 48819 | 34 | 8975 | 289 | 5409 | 1626 | 25765 | 5247 | 29322 |
| NC YTD Tot* | 163 | 30353 | 22 | 3238 | 10 | 701 | 70 | 9549 | 115 | 9539 |

Please see notes on last page of the metal forming section.

# U.S. EXPORTS
## Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
## October 89

RELEASED: January 3, 1990

### Metal Forming Machine Tools

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8454300010 | Die casting machines | 455 | 7092 | 28 | 294 |
| 8462100030 | Headers and upsetters, including cold headers | 66 | 13746 | 9 | 834 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 589 | 17414 | 43 | 1100 |
| 210080 | Bending, folding, straight. or flat. mach., incl presses, NC | 292 | 20009 | 30 | 3069 |
| 290030 | Press brakes, non-NC | 30 | 1259 | 1 | 5 |
| 290040 | Bending rolls, non-NC | 52 | 1579 | 6 | 169 |
| 290050 | Bending, folding, straight., or flat., n.e.c., non-NC | 499 | 19201 | 57 | 2118 |
| 310080 | Shearing machines, NC | 50 | 3799 | 3 | 150 |
| 390050 | Shearing machines, non-NC | 165 | 3530 | 8 | 86 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 132 | 21007 | 7 | 1433 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 651 | 20189 | 36 | 1219 |
| 910060 | Hydraulic presses, NC | 77 | 4314 | 9 | 672 |
| 910090 | Hydraulic presses, non-NC | 491 | 21975 | 57 | 2317 |
| 990030 | Presses, n.e.c., NC | 51 | 6151 | 13 | 1375 |
| 990040 | Presses, mechanical, non-NC | 142 | 8720 | 12 | 2259 |
| 990060 | Presses, n.e.c., non-NC | 519 | 27342 | 53 | 1880 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 230 | 5154 | 9 | 325 |
| 200080 | Thread rolling machines | 33 | 2590 | 4 | 80 |
| 300080 | Machines for working wire | 795 | 27935 | 60 | 2185 |
| 900080 | Metal forming machine tools, n.e.c. | 1842 | 88592 | 74 | 3875 |
| 9800000002 | Used or rebuilt machine tools | 2902 | 57876 | 183 | 2513 |
| 9900000002 | Machine tools valued at less than $2,500 | 5101 | 3817 | 400 | 283 |
| | Forming Total | | | 1102 | 28241 |
| | Y-T-D Forming Total | 15164 | 383291 | | |
| | NC Y-T-D Forming Total | 602 | 55279 | | |
| | Cutting and Forming Totals: | | | | |
| | Monthly Total | | | 6636 | 74207 |
| | Y-T-D Total | 64185 | 786972 | | |
| | NC Y-T-D Total* | 2009 | 209890 | | |

### Other Manufacturing Technology

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 1000000000 | Machine tool parts and accessories | 0 | 598838 | 0 | 63138 |
| 2710003070 | Quenching or cutting oils | 0 | 10145 | 0 | 1170 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 745 | 10470 | 30 | 246 |
| 8456100000 | Laser, light or photon beam for working any material | 2132 | 37822 | 96 | 5023 |
| 200000 | Ultrasonic process for working any material | 90 | 760 | 7 | 148 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 186 | 17784 | 21 | 3577 |
| 106050 | Injection molding mach., for thermoplastics | 349 | 38492 | 16 | 1322 |
| 200010 | Extruders for rubber or other thermosetting materials | 244 | 10217 | 24 | 612 |
| 200050 | Extruders for processing thermoplastics | 811 | 32391 | 64 | 2017 |
| 300000 | Blow molding machines | 405 | 25434 | 92 | 2066 |
| 400000 | Vacuum-molding and other thermoforming machines | 1503 | 14345 | 119 | 1173 |
| 8479899040 | Industrial robots, n.e.c. | 2049 | 28280 | 192 | 2619 |
| 900040 | Industrial robot parts | 0 | 11115 | 0 | 939 |
| 8537100030 | Numerical controls for controlling machine tools | 8731 | 34895 | 231 | 3322 |
| 9024100000 | Machines and appliances for testing metals | 0 | 62786 | 0 | 6261 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 19071 | 0 | 1884 |
| 300000 | Profile projectors | 0 | 6802 | 0 | 523 |
| 9032810040 | Industrial process control instr., hydraulic or pneumatic | 567169 | 38206 | 89027 | 5097 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 89

Metal Forming

| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 166 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 1 | 19 | 0 | 0 | 0 | 0 | 10 | 437 |
| 210080 | 2 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 568 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| 290050 | 6 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 187 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 62 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 360 |
| 490050 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 260 | 13 | 58 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| 910090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 162 |
| 990030 | 2 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 418 | 0 | 0 |
| 990060 | 5 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8463100080 | 1 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 43 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 51 | 13 | 349 |
| 900080 | 2 | 247 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 179 |
| 9800000002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 692 |
| 9900000002 | 51 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 23 |
| | | | | | | | | | | |
| Month Tot | 69 | 820 | 1 | 19 | 1 | 4 | 7 | 729 | 162 | 3332 |
| Y-T-D Tot | 500 | 6290 | 107 | 681 | 135 | 2389 | 113 | 6537 | 2484 | 36559 |
| NC YTD Tot | 27 | 1357 | 0 | 0 | 0 | 0 | 10 | 701 | 130 | 12653 |
| | | | | | | | | | | |
| C&F Month | 108 | 1267 | 2 | 285 | 16 | 705 | 186 | 2247 | 2857 | 10007 |
| C&F Y-T-D | 1247 | 14923 | 165 | 1935 | 318 | 8678 | 633 | 15669 | 24784 | 91710 |
| C&F NC YTD* | 40 | 2620 | 5 | 646 | 36 | 4036 | 54 | 4227 | 322 | 33081 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 881 | 0 | 133 | 0 | 419 | 0 | 651 | 0 | 9354 |
| 2710003070 | 0 | 70 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 114 |
| 8428900010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 59 |
| 8456100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 358 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 1 | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 288 |
| 106050 | 0 | 0 | 4 | 293 | 0 | 0 | 0 | 0 | 2 | 174 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 1 | 48 | 0 | 0 | 0 | 0 | 16 | 397 | 3 | 138 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 780 |
| 400000 | 0 | 0 | 0 | 0 | 4 | 32 | 3 | 4 | 29 | 144 |
| 8479899040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 931 |
| 900040 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
| 8537100030 | 0 | 0 | 0 | 0 | 2 | 22 | 0 | 0 | 20 | 298 |
| 9024100000 | 0 | 69 | 0 | 0 | 0 | 6 | 0 | 652 | 0 | 548 |
| 9031100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 9032810040 | 1026 | 50 | 1157 | 60 | 1304 | 65 | 675 | 37 | 4424 | 474 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 2 | 15 | 1 | 13 | 1 | 5 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 290050 | 4 | 763 | 2 | 83 | 3 | 25 | 0 | 0 | 1 | 14 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 0 | 0 | 4 | 360 | 0 | 0 | 1 | 5 | 3 | 38 |
| 910060 | 1 | 347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 0 | 0 | 1 | 623 | 0 | 0 | 0 | 0 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 235 |
| 990040 | 0 | 0 | 3 | 988 | 4 | 192 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| 8463100080 | 0 | 0 | 0 | 0 | 2 | 70 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 3 | 68 | 1 | 48 | 0 | 0 | 0 | 0 | 3 | 100 |
| 900080 | 0 | 0 | 0 | 0 | 3 | 72 | 0 | 0 | 3 | 49 |
| 9800000002 | 0 | 0 | 5 | 111 | 5 | 31 | 1 | 5 | 2 | 30 |
| 9900000002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 |
| Month Tot | 8 | 1178 | 18 | 1615 | 20 | 1037 | 3 | 15 | 20 | 511 |
| Y-T-D Tot | 242 | 10093 | 387 | 7447 | 111 | 8597 | 28 | 167 | 193 | 7218 |
| NC YTD Tot | 22 | 868 | 5 | 406 | 4 | 1067 | 1 | 15 | 6 | 2782 |
| C&F Month | 92 | 2867 | 215 | 2172 | 59 | 3227 | 6 | 49 | 364 | 1420 |
| C&F Y-T-D | 798 | 34044 | 1207 | 17985 | 337 | 19226 | 129 | 4297 | 980 | 18987 |
| C&F NC YTD* | 120 | 15565 | 55 | 7376 | 10 | 2787 | 7 | 1983 | 24 | 4202 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 1563 | 0 | 1415 | 0 | 625 | 0 | 784 | 0 | 882 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 25 |
| 8428900010 | 0 | 0 | 6 | 65 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8456100000 | 4 | 503 | 2 | 31 | 1 | 111 | 0 | 0 | 2 | 43 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 0 | 0 | 4 | 90 | 15 | 372 | 0 | 0 | 1 | 164 |
| 300000 | 1 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 37 |
| 400000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 8479899040 | 0 | 0 | 14 | 85 | 0 | 0 | 0 | 0 | 2 | 52 |
| 900040 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8537100030 | 0 | 0 | 41 | 563 | 0 | 0 | 0 | 0 | 12 | 116 |
| 9024100000 | 0 | 61 | 0 | 118 | 0 | 50 | 0 | 37 | 0 | 157 |
| 9031100000 | 0 | 89 | 0 | 0 | 0 | 570 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 84 |
| 9032810040 | 10 | 25 | 2535 | 159 | 254 | 30 | 222 | 11 | 3538 | 200 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 3 | 18 | 0 | 0 | 0 | 0 | 2 | 17 | 0 | 0 |
| 8462100030 | 0 | 0 | 6 | 180 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 2 | 105 | 4 | 79 | 0 | 0 | 12 | 227 | 0 | 0 |
| 210080 | 1 | 650 | 5 | 214 | 0 | 0 | 7 | 343 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 1 | 10 | 0 | 0 | 0 | 0 | 2 | 32 | 0 | 0 |
| 290050 | 1 | 123 | 3 | 241 | 0 | 0 | 3 | 16 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 0 | 0 |
| 410080 | 0 | 0 | 1 | 810 | 1 | 88 | 0 | 0 | 0 | 0 |
| 490050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 78 | 0 | 0 |
| 910090 | 0 | 0 | 1 | 46 | 0 | 0 | 45 | 539 | 0 | 0 |
| 990030 | 3 | 325 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 493 |
| 990040 | 1 | 423 | 1 | 110 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 2 | 214 | 4 | 81 | 0 | 0 | 29 | 653 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 69 | 0 | 0 |
| 300080 | 2 | 652 | 1 | 50 | 0 | 0 | 7 | 147 | 0 | 0 |
| 900080 | 6 | 159 | 4 | 26 | 2 | 31 | 10 | 198 | 1 | 7 |
| 9800000002 | 3 | 199 | 0 | 0 | 0 | 0 | 68 | 534 | 0 | 0 |
| 9900000002 | 66 | 59 | 0 | 0 | 0 | 0 | 34 | 38 | 0 | 0 |
| | | | | | | | | | | |
| Month Tot | 91 | 2937 | 30 | 1836 | 3 | 119 | 229 | 2926 | 5 | 500 |
| Y-T-D Tot | 862 | 39832 | 840 | 52353 | 27 | 1498 | 2881 | 35068 | 366 | 6250 |
| NC YTD Tot | 99 | 8325 | 51 | 4643 | 7 | 1011 | 50 | 3691 | 23 | 2820 |
| | | | | | | | | | | |
| C&F Month | 310 | 4986 | 85 | 3191 | 24 | 183 | 759 | 8541 | 10 | 536 |
| C&F Y-T-D | 3753 | 66232 | 2385 | 86912 | 128 | 2488 | 9133 | 90094 | 777 | 9810 |
| C&F NC YTD* | 231 | 17033 | 188 | 18114 | 10 | 1146 | 211 | 15784 | 42 | 4719 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 6237 | 0 | 1966 | 0 | 410 | 0 | 4035 | 0 | 492 |
| 2710003070 | 0 | 84 | 0 | 0 | 0 | 11 | 0 | 20 | 0 | 14 |
| 8428900010 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 |
| 8456100000 | 21 | 2367 | 5 | 244 | 2 | 46 | 4 | 88 | 0 | 0 |
| 200000 | 3 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 462 | 0 | 0 |
| 106050 | 0 | 0 | 1 | 86 | 0 | 0 | 5 | 420 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 505 | 0 | 0 |
| 200050 | 6 | 121 | 0 | 0 | 0 | 0 | 2 | 185 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 413 | 0 | 0 |
| 400000 | 1 | 7 | 0 | 0 | 0 | 0 | 8 | 107 | 0 | 0 |
| 8479899040 | 14 | 89 | 15 | 41 | 1 | 95 | 0 | 0 | 2 | 17 |
| 900040 | 0 | 36 | 0 | 0 | 0 | 4 | 0 | 338 | 0 | 0 |
| 8537100030 | 1 | 8 | 2 | 41 | 1 | 11 | 0 | 0 | 5 | 167 |
| 9024100000 | 0 | 1060 | 0 | 1429 | 0 | 0 | 0 | 199 | 0 | 10 |
| 9031100000 | 0 | 62 | 0 | 69 | 0 | 3 | 0 | 196 | 0 | 0 |
| 300000 | 0 | 208 | 0 | 59 | 0 | 0 | 0 | 5 | 0 | 0 |
| 9032810040 | 4537 | 314 | 887 | 154 | 0 | 0 | 366 | 152 | 12969 | 664 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 83 |
| 210080 | 0 | 0 | 1 | 44 | 0 | 0 | 1 | 1124 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 1 | 4 | 3 | 31 | 1 | 15 | 0 | 0 | 2 | 8 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 42 |
| 910090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8463100080 | 3 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 2 | 19 | 0 | 0 | 4 | 100 | 0 | 0 | 0 | 0 |
| 900080 | 1 | 13 | 0 | 0 | 1 | 8 | 2 | 1110 | 0 | 0 |
| 9800000002 | 3 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 |
| 9900000002 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 0 |
| Month Tot | 12 | 418 | 4 | 75 | 6 | 123 | 9 | 2239 | 15 | 136 |
| Y-T-D Tot | 182 | 7062 | 102 | 3768 | 47 | 1337 | 230 | 17293 | 87 | 3456 |
| NC YTD Tot | 15 | 2546 | 2 | 138 | 8 | 375 | 13 | 2549 | 6 | 456 |
| C&F Month | 119 | 1248 | 9 | 265 | 26 | 452 | 29 | 2792 | 25 | 403 |
| C&F Y-T-D | 950 | 14244 | 327 | 6765 | 302 | 4676 | 826 | 25013 | 181 | 5599 |
| C&F NC YTD* | 49 | 4942 | 5 | 979 | 24 | 1989 | 48 | 5154 | 25 | 1250 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 1503 | 0 | 329 | 0 | 516 | 0 | 1007 | 0 | 335 |
| 2710003070 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 171 | 0 | 29 |
| 8428900010 | 5 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8456100000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 56 | 0 | 0 |
| 200000 | 0 | 0 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 5 | 1911 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 1 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 4 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 312 |
| 400000 | 23 | 198 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 65 |
| 8479899040 | 1 | 6 | 0 | 0 | 37 | 425 | 0 | 0 | 0 | 0 |
| 900040 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 |
| 8537100030 | 1 | 10 | 0 | 0 | 1 | 17 | 3 | 47 | 1 | 21 |
| 9024100000 | 0 | 156 | 0 | 10 | 0 | 39 | 0 | 232 | 0 | 17 |
| 9031100000 | 0 | 175 | 0 | 7 | 0 | 0 | 0 | 138 | 0 | 3 |
| 300000 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 |
| 9032810040 | 8836 | 496 | 109 | 8 | 76 | 11 | 5870 | 334 | 21591 | 65 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 4 | 45 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 294 | 1 | 360 |
| 100050 | 0 | 0 | 0 | 0 | 2 | 49 | 3 | 66 | 2 | 20 |
| 210080 | 1 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 92 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 258 | 7 | 205 |
| 310080 | 2 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 41 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 175 |
| 490050 | 1 | 10 | 0 | 0 | 0 | 0 | 2 | 235 | 7 | 225 |
| 910060 | 1 | 58 | 0 | 0 | 0 | 0 | 2 | 78 | 1 | 60 |
| 910090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 946 |
| 990030 | 2 | 197 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 129 |
| 990060 | 5 | 129 | 0 | 0 | 1 | 31 | 5 | 504 | 1 | 83 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 65 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 4 | 155 | 0 | 0 | 1 | 25 | 0 | 0 | 14 | 421 |
| 900080 | 1 | 7 | 0 | 0 | 0 | 0 | 22 | 662 | 7 | 1086 |
| 9800000002 | 5 | 71 | 0 | 0 | 1 | 45 | 1 | 15 | 42 | 477 |
| 9900000002 | 84 | 65 | 0 | 0 | 0 | 0 | 53 | 37 | 80 | 27 |
| | | | | | | | | | | |
| Month Tot | 106 | 863 | 0 | 0 | 5 | 149 | 98 | 2184 | 180 | 4476 |
| Y-T-D Tot | 1111 | 35884 | 6 | 977 | 185 | 7835 | 805 | 22196 | 3133 | 62502 |
| NC YTD Tot | 56 | 3051 | 3 | 176 | 3 | 89 | 8 | 982 | 53 | 4579 |
| | | | | | | | | | | |
| C&F Month | 331 | 12643 | 2 | 2496 | 20 | 445 | 277 | 4742 | 705 | 7037 |
| C&F Y-T-D | 3500 | 84703 | 40 | 9952 | 474 | 13244 | 2431 | 47962 | 8380 | 91824 |
| C&F NC YTD* | 219 | 33404 | 25 | 3415 | 13 | 790 | 78 | 10531 | 168 | 14118 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 7024 | 0 | 499 | 0 | 341 | 0 | 4298 | 0 | 17441 |
| 2710003070 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 508 |
| 8428900010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 66 | 0 | 0 |
| 8456100000 | 3 | 97 | 0 | 0 | 6 | 140 | 14 | 415 | 25 | 526 |
| 200000 | 3 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 774 |
| 106050 | 1 | 42 | 0 | 0 | 0 | 0 | 2 | 222 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 75 | 2 | 32 |
| 200050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 35 | 11 | 403 |
| 300000 | 5 | 7 | 0 | 0 | 0 | 0 | 7 | 317 | 3 | 142 |
| 400000 | 4 | 231 | 0 | 0 | 0 | 0 | 38 | 332 | 5 | 43 |
| 8479899040 | 3 | 265 | 0 | 0 | 0 | 0 | 72 | 436 | 11 | 179 |
| 900040 | 0 | 150 | 0 | 0 | 0 | 4 | 0 | 81 | 0 | 141 |
| 8537100030 | 104 | 1411 | 0 | 0 | 0 | 0 | 22 | 320 | 15 | 270 |
| 9024100000 | 0 | 370 | 0 | 66 | 0 | 0 | 0 | 367 | 0 | 607 |
| 9031100000 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 111 | 0 | 136 |
| 300000 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| 9032810040 | 8484 | 715 | 0 | 0 | 31 | 30 | 4221 | 671 | 5905 | 374 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
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| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 |
| Czechoslovakia | 0 | 0 | 0 | 0 | 0 | 0 |
| Denmark | 1 | 21 | 0 | 0 | 1 | 21 |
| East Germany | 0 | 0 | 1 | 76 | 1 | 76 |
| Finland | 0 | 0 | 4 | 4 | 4 | 4 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 |
| Hungary | 0 | 0 | 1 | 10 | 1 | 10 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 2 | 10 | 3 | 88 | 5 | 98 |
| Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 0 | 0 | 2 | 116 | 2 | 116 |
| Poland | 0 | 0 | 1 | 60 | 1 | 60 |
| Portugal | 0 | 0 | 2 | 106 | 2 | 106 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 75 | 123 | 6 | 1029 | 81 | 1151 |
| Turkey | 7 | 124 | 1 | 11 | 8 | 135 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Europe | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 1078 | 20101 | 280 | 7393 | 1358 | 27495 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 0 |
| Barbados | 0 | 0 | 9 | 70 | 9 | 70 |
| Belize | 1 | 7 | 0 | 0 | 1 | 7 |
| Bermuda | 1 | 16 | 0 | 0 | 1 | 16 |
| Costa Rica | 153 | 8 | 3 | 7 | 156 | 15 |
| Dominican Rep | 0 | 0 | 4 | 52 | 4 | 52 |
| El Salvador | 1 | 31 | 2 | 21 | 3 | 52 |
| Guatemala | 8 | 6 | 16 | 31 | 24 | 37 |
| Haiti | 0 | 0 | 2 | 30 | 2 | 30 |
| Honduras | 0 | 0 | 2 | 11 | 2 | 11 |
| Jamaica | 0 | 0 | 2 | 175 | 2 | 175 |
| Panama | 0 | 0 | 4 | 83 | 4 | 83 |
| Trinidad | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth N & C Am. | 4 | 37 | 2 | 31 | 6 | 67 |
| TOTAL | 3393 | 12395 | 437 | 6768 | 3830 | 19164 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 2 | 158 | 0 | 0 | 2 | 158 |
| Bolivia | 1 | 170 | 0 | 0 | 1 | 170 |
| Chile | 6 | 6 | 7 | 198 | 13 | 203 |
| Colombia | 25 | 525 | 3 | 508 | 28 | 1033 |
| Ecuador | 0 | 0 | 1 | 17 | 1 | 17 |
| Paraguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 1 | 209 | 0 | 0 | 1 | 209 |
| Uruguay | 3 | 25 | 0 | 0 | 3 | 25 |
| Oth South Am. | 2 | 26 | 0 | 0 | 2 | 26 |
| TOTAL | 234 | 2934 | 23 | 1601 | 257 | 4534 |
| **OCEANIA** | | | | | | |
| New Zealand | 1 | 4 | 1 | 24 | 2 | 28 |
| Oth Oceania | 1 | 28 | 0 | 0 | 1 | 28 |
| TOTAL | 41 | 478 | 70 | 844 | 111 | 1322 |

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
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| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **ASIA** | | | | | | |
| Bangladesh | 0 | 0 | 0 | 0 | 0 | 0 |
| Hong Kong | 163 | 427 | 88 | 200 | 251 | 627 |
| Iran | 0 | 0 | 1 | 101 | 1 | 101 |
| Iraq | 4 | 274 | 0 | 0 | 4 | 274 |
| Israel | 6 | 13 | 4 | 913 | 10 | 926 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 3 | 9 | 0 | 0 | 3 | 9 |
| Laos | 0 | 0 | 0 | 0 | 0 | 0 |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 |
| Macao | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 1 | 3 | 1 | 92 | 2 | 94 |
| Philippines | 44 | 193 | 3 | 53 | 47 | 246 |
| Qatar | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 0 | 0 | 2 | 136 | 2 | 136 |
| Sri Lanka | 0 | 0 | 0 | 0 | 0 | 0 |
| Syria | 0 | 0 | 0 | 0 | 0 | 0 |
| United Arab Emr | 4 | 30 | 0 | 0 | 4 | 30 |
| Vietnam | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Asia | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 783 | 9980 | 290 | 11410 | 1073 | 21390 |
| **AFRICA** | | | | | | |
| Algeria | 0 | 0 | 0 | 0 | 0 | 0 |
| Botswana | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 1 | 34 | 1 | 113 | 2 | 147 |
| Ethiopia | 0 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 |
| Ghana | 1 | 25 | 1 | 111 | 2 | 136 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Malawi | 0 | 0 | 0 | 0 | 0 | 0 |
| Mauritius | 0 | 0 | 0 | 0 | 0 | 0 |
| Morocco | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 1 | 10 | 0 | 0 | 1 | 10 |
| Sudan | 0 | 0 | 0 | 0 | 0 | 0 |
| Swaziland | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 |
| Zaire | 0 | 0 | 0 | 0 | 0 | 0 |
| Zambia | 0 | 0 | 0 | 0 | 0 | 0 |
| Zimbabwe | 2 | 10 | 0 | 0 | 2 | 10 |
| Oth Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 5 | 79 | 2 | 224 | 7 | 302 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 900000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.